



LOW VISCOSITY, TWO-COMPONENT EPOXY-POLYURETHANE ADHESIVE FOR RESILIENT AND TEXTILE FLOORING



PRODUCT DESCRIPTION

DCI Linoleum 2K is a two component white, fast setting, ready-to-use, solvent free epoxy polyurethane base adhesive used for interior and exterior installations of linoleum floorings. The product is easy applicable and has very good elasticity. Due to content of special additives the product is resistant to bacteria and mold.

FIELD OF APPLICATION

- For interior and exterior use
- For installation of linoleum floorings
- For installation on heated floor
- For commercial and residential areas
- For needle-punches carpet flooring
- For multipurpose flooring on asphalt substrate
- For application on absorbent and non absorbent substrate
- For application on moisture sensitive substrate
- For installation of rubber floorings
- For installation of quartz vinyl floorings
- For installation of vinyl tiles

SUITABLE SUBSTRATES

- Concrete floor
- Cement screed
- Chipboard panels
- Wooden substrate

LIMITATIONS

- Not to be used at temperatures below 8°C.
- Not to be used for exterior application.
- Not to be used in areas subject to constant water exposure, immersion, or hydrostatic pressure.
- Not to be used in commercial showers, steam rooms, fountains, or submerged applications.
- Not to be used on a metal substrate.
- Not to be used on anhydrite substrates.
- Protect from the frost.
- Not to be used on screed with high moisture content.

APPLICATION PROCEDURE

a) Preparation of the support

The substrates must be cured and sufficiently dry, mechanically strong, free from loose particles, grease, oils, paint, wax, etc. The cement substrates must not be subject to shrinkage after installing the wood. The moisture content of the screed must be lower than the maximum prescribed by the parquet manufacturer. It is necessary to check moisture content throughout the entire thickness of the substrate, using a carbide hygrometer. During spring and summer, renders must be cured for at least one week for

every centimeter of thickness, and cement screeds must be cured for at least 28 days unless they have been made with DCI special binders for screeds such as Screed 80, Level S10, or with Level S30. In case of floating screeds over insulation or light weight layers and slabs on grade must be provided with a vapour barrier to prevent rising damp.

Existing ceramic tile has to be thoroughly clean and degrease before proceeding to bond. Adhesion of the flooring may be improved by applying a layer of Primer EP-PU as adhesion promoter prior the installation.

In case of old wooden floors has to be make sure that the planks of the old floor are well-bonded to the substrate. Remove any varnish or wax from the surface of the floor with sandpaper down to a bare wood finish and remove all dust with a vacuum cleaner.

On anhydrite substrates the surface must be sanded and primed with Primer PU or Primer PU Fast.

b) Preparing the product

DCI Linoleum 2K is two components adhesive and the components are supplied in pre-measured proportions packaging:

- Component A: 9 parts by weight;
- Component B: 1 parts by weight.

Mix the two components together with a mechanical mixer until a homogenous paste is obtained.

c) Applying the product

Apply DCI Linoleum 2K to the substrate using a notched trowel suitable to the format. The open time of the product is maximum 30 minutes under normal temperature and humidity conditions, which must be taken into consideration when spreading the adhesive. If a skin forms, the adhesive must be removed and replaced.

d) Installing the tiles

Leave a short waiting time up to 10 minutes according to the application quantity, climatic conditions, substrate absorbency and type of covering. Make sure not to exceed open time 20-30 minutes in order to ensure proper wetting of the back of the covering. Lay in covering while the adhesive is still wet: the adhesive ridges have to be impressed. Take care to avoid air pockets and carefully rub the floor covering down to ensure good adhesive transfer to the backing. Avoid excessive stress on joints. After some minutes of installing the floor covering, it is always necessary to carefully roll it down again or to firmly rub it down.

COVERAGE / CONSUMPTION

Approximately 0.3 – 0.5 kg/m² according to the notched trowel

PACKAGING

DCI Linoleum 2K is supplied in:

- 20 kg plastic bucket A+B.
- 10 kg plastic bucket A+B.
- 3 kg plastic bucket A+B.

SHELF LIFE

Original sealed packaging of this product is guaranteed to be of first quality for 24 months if stored in a dry area. In places with high humidity, the shelf life of the bagged product will be reduced.

SAFETY INSTRUCTION

DCI Linoleum 250 is not considered dangerous according to the current regulation regarding the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for the handling of chemicals. For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet. Keep out of the reach of children. Ensure good ventilation du-

ring and after use and drying. Do not eat, drink or smoke when using this product. In case of contact with skin or eyes, rinse immediately with plenty of water. Do not allow product to reach sewage system, water course or soil. Clean tools with soap and water immediately after use. Give only empty containers to recycling. Dried product residues may be disposed of as domestic waste. PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA		
Product identity		
	Component A:	Component B:
Consistency:	pasty	liquid
Color:	White	Yellowish transparent
Bulk density (kg/m³):	1450	1050
Viscosity:	150,000 (Rpm 5, Spindle 7)	20,000 (Rpm 5, Spindle 7)
Dry solids content (%):	100	100
Application data (at +23°C and 50% R.H.)		
Mix ratio:	9 part A	1 part B
Consistency of mix:	pasty	
pH of mix:	8.5	
Application temperature:	+10°C to +40°C	
Pot life:	45 minutes	
Open time (according to (EN 1346):	60 minutes	
Adjustability time:	approx. 90 minutes	
Walking:	After 24 Hours	
Final performances		
Bonding strength:	6.7 N/mm²	
Temperature resistance after final cure:	from -20°C to +90°C	

WARNING

Danger. Contains Portland Cement: Chromium VI < 2 ppm within the validity period of the product. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF IN CONTACT WITH YOUR SKIN: Wash with plenty of water/... P305 + P351 + P338 IF IN CONTACT WITH YOUR EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor/...



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